Konstantinos Pantazis

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EDUCATION

August 2019 – Present **University of Maryland, College Park, Maryland**
PhD in Mathematics (Expected graduation May 2022)

September 2017 – July 2019 **University of Massachusetts, Amherst, Massachusetts**
PhD in Mathematics, GPA: 3.956 (13 graduate level courses)

September 2011 – June 2016 **National & Kapodistrian University of Athens, Greece**
Bachelor of Mathematics

PUBLICATIONS

1. Konstantinos Pantazis, Avanti Athreya, William N. Frost, Evan S. Hill, and Vince Lyzinski. **"*The Importance of Being Correlated: Implications of Dependence in Joint Spectral Inference across Multiple Networks.*"** Submitted to Journal of Machine Learning Research (JMLR), 2020.

2. Konstantinos Pantazis, Daniel L. Sussman, Youngser Park, Carey E. Priebe, and Vince Lyzinski. *"**Multiplex graph matching matched filters**."* GTA³ 3.0: The 3rd workshop on Graph Techniques for Adversarial Activity Analytics, 2019.

CONFERENCES / SYMPOSIUMS (SPEAKER)

December 10, 2021 Invited talk at National & Kapodistrian UoA, Greece

August 8 – 12, 2021 **2021 Joint Statistical Meetings (JSM)**
Virtual

August 12, 2021 **DEVCOM – ARL Summer Student Symposium**
Virtual

July 5 – 10, 2021 **NETWORKS 2021: A Joint Sunbelt and NetSci Conference**
Virtual

INTERNSHIPS / RESEARCH EXPERIENCE

June 2021 – August 2021 **CCDC-ARL Summer Student Experience: Computational and Information Sciences Directorate, Adelphi MD**
Literature review on Recommender System theory with the main purpose in mind of developing a learning algorithm for collaboratively prioritizing and filtering information object in dynamic contextual environment.

June 2020 – August 2020 **Research Assistant, University of Maryland, College Park**
Developed code in R for real data experiments using Aplysia californica brain data, produced new theory on Multiscale Graph

Inference area and designed simulations on synthetic data to provide insights of this theory.

September 2018 – August 2019   **Research Assistant, University of Massachusetts, Amherst**
Worked on a Graph Matching problem under the supervision of my advisor Vincent Lyzinski, Assistant Professor, Department of Mathematics & Statistics, University of Maryland, College Park.

TEACHING EXPERIENCE

September 2021 -- Present   **Teaching Assistant, University of Maryland, College Park**
Grading the graduate course MATH630-Real Analysis I and the undergraduate course MATH416-Applied Harmonic Analysis: An Introduction to Signal Processing.

September 2019 – May 2021   **Teaching Assistant, University of Maryland, College Park**
Lead discussions for the upper-level undergraduate courses MATH461-Linear Algebra for Scientists & Engineers and STAT400 Applied Probability and Statistics (twice). Graded the graduate course MATH630-Real Analysis I.

September 2017 – May 2018   **Teaching Assistant, University of Massachusetts, Amherst**
Lead discussions for the undergraduate course of Differential Equations.

TECHNICAL SKILLS

Programming: **R** (Advanced knowledge), **PYTHON** (Tensorflow, Scikit-Learn, Numpy, SciPy), **MATLAB** (Numerical Optimization algorithms, Linear-nonlinear dimensionality reduction, Matrix factorization), **SQL** (Basics)

Software & Tools: **MS OFFICE, LATEX**

Foreign Language: **ENGLISH** (Full professional proficiency), **GREEK** (First language), **SPANISH** (Limited working proficiency)

FELLOWSHIPS / SCHOLARSHIPS / AWARDS

2021 – 2022   **IMS Hannan Graduate Student Travel Award** $750

Fall 2019 – Spring 2021   **Dean's Fellowship, University of Maryland** $10000

Spring 2020   **Gerondelis Foundation Inc. Scholarship** $5000

August 2017   **UMASS Fellowship, University of Massachusetts** ($500 along with the acceptance letter)

Fall 2016 – Spring 2017   **UoA Fellowship, University of Athens (**$1000 as a top three 1st year Master student in Applied Mathematics program)

PERSONAL INTERESTS

- Listening to podcasts about Behavioral Sciences and Neuroscience
- Ultrarunning, Bikepacking, Hiking, Rock climbing
- Practicing Brazilian Jiu Jitsu, Boxing